

Application No 10/628,207  
Application dated July 29, 2003  
Reply to office action of 11<sup>th</sup> June 2010

**Amendments to the Drawings**

The attached sheet of drawings includes changes to Fig 1.

- (1) it is shaft of catheter
  - (2) it is balloon part of catheter
- Here part of shaft (1) is replaced by circular spring (3)  
spiral spring (4) is an alternative to circular spring (3)

Fig 2

- (5) Flat inner and outer surface of struts( struts to be thin)
- (6) Heatexpansile material on balloon
- (7) Compressive outer surface not allowing heatexpansile material to come on outer surface of stent to trap it, it also does not allow increase in stent profile
- (8) Balloon inner surface such that the heatexpansile material can not come and disturb the lumen of the balloon

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Question

Which part of shaft is replaced by spring ?

Arguments

The part of shaft with guide wire is replaced by spring.

Question

How is replaced by a spring ?

Arguments

It means that part of balloon dilation catheter shaft has been replaced by a spring(spring is attached to these two ends of shaft. Note that various parts of balloon catheter are joined together by either laser weld and pressure or hot air and pressure or convection heat and pressure or glue, depending upon type and use of balloon. The spring will be similarly attached depending upon type of balloon.)

Question

"spring" , circular or oblique spirals/strands ?

Arguments

Spring means "spring"

circular or oblique spirals/strands.

These are the two types of springs

Both I have described in original application specification see page 3, last paragraph and in figure 1 (A & B) of original application.

Question

absorb and transmit forward force ?

Arguments

any spring while being pushed at one end will get compressed(absorb force) and transmit this force forwards to other end.

Question

while maintaining alignment ?

Arguments

If spring was not there the system will buckle out.

Because of spring the total length of shaft is reduced as spring is compressed thus alignment is maintained.

Alignment is further maintained as spring is in guide wire portion of catheter

With a standard balloon catheter

Exhibit fig 1

The obstruction in the path of balloon

Exhibit fig 2

Further push of balloon pushes the guide catheter

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